Fig. 1A

tgacttggatgtagacctcgaccttcacaggactcttcattgctggttggcaatg ATG TAT CGG CCA GAT GTG GTG AGG GCT AGG AAA AGA GTT TGT TGG GAA CCC TGG GTT ATC GGC CTC GTC ATC TTC ATA TCC CTG ATT GTC CTG GCA GTG TGC ATT GGA CTC ACT GTT CAT TAT GTG AGA TAT AAT CAA 134 27 AAG AAG ACC TAC AAT TAC TAT AGC ACA TTG TCA TTT ACA ACT GAC AAA CTA TAT GCT GAG TTT GGC AGA GAG GCT TCT AAC AAT TTT ACA GAA ATG AGC CAG AGA CTT GAA TCA ATG GTG AAA AAT GCA TTT TAT AAA TCT CCA TTA AGG GAA GAA TTT GTC AAG TCT CAG GTT ATC AAG TTC AGT CAA CAG AAG CAT GGA GTG TTG GCT CAT ATG CTG TTG ATT TGT AGA TTT CAC TCT 433 ACT GAG GAT CCT GAA ACT GTA GAT AAA ATT GTT CAA CTT GTT TTA CAT GAA AAG CTG CAA GAT GCT GTA GGA CCC CCT AAA GTA GAT CCT CAC TCA GTT AAA ATT AAA AAA ATC AAC AAG V K I K K ACA GAA ACA GAC AGC TAT CTA AAC CAT TGC TGC GGA ACA CGA AGA AGT AAA ACT CTA GGT 167 S Y L N H T R CAG AGT CTC AGG ATC GTT GGT GGG ACA GAA GTA GAA GAG GGT GAA TGG CCC TGG CAG GCT LRAI AGC CTG CAG TGG GAT GGG AGT CAT CGC TGT GGA GCA ACC TTA ATT AAT GCC ACA TGG CTT S L Q W D G S H (R C G A T L I N A T W L 733 207 GTG AGT GCT GCT CAC TGT TTT ACA ACA TAT AAG AAC CCT GCC AGA TGG ACT GCT TCC TTT 734 793 227 AAHCFT K N P A R W GGA GTA ACA ATA AAA CCT TCG AAA ATG AAA CGG GGT CTC CGG AGA ATA ATT GTC CAT GAA 794 G L R 854 AAA TAC AAA CAC CCA TCA CAT GAC TAT GAT ATT TCT CTT GCA GAG CTT TCT AGC CCT GTT 913 Y D SLAEL CCC TAC ACA AAT GCA GTA CAT AGA GTT TGT CTC CCT GAT GCA TCC TAT GAG TTT CAA CCA 287 GGT GAT GTG ATG TTT GTG ACA GGA TTT GGA GCA CTG AAA AAT GAT GGT TAC AGT CAA AAT K N D CAT CTT CGA CAA GCA CAG GTG ACT CTC ATA GAC GCT ACA ACT TGC AAT GAA CCT CAA GCT 1093 I D A T T C N TAC AAT GAC GCC ATA ACT CCT AGA ATG TTA TGT GCT GGC TCC TTA GAA GGA AAA ACA GAT M L C A G S L T P E. GCA TGC CAG GGT GAC TCT GGA GGA CCA CTG GTT AGT TCA GAT GCT AGA GAT ATC TGG TAC 1213 D S G CTT GCT GGA ATA GTG AGC TGG GGA GAT GAA TGT GCG AAA CCC AAC AAG CCT GGT GTT TAT 1273 ACT AGA GTT ACG GCC TTG CGG GAC TGG ATT ACT TCA AAA ACT GGT ATC TAA gagagaaaagcc 1336 1274 407 tcatggaacagataacatttttttttttttttgggtgtgggggccatttttagagatacagaattggagaagacttgca 1416 aaacagctagatttgactgatctc<u>aataaa</u>ctgtttgcttgatgcaaaaaaaaa

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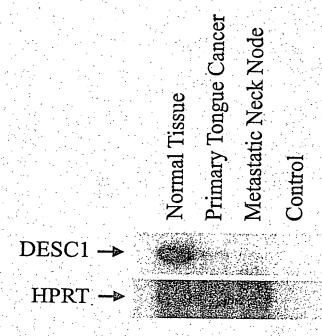
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134 27	TCC S	CTG L	ATT I	GTC V		GCA A	GTG V	TGC C	ATT I	GGA G	Grc	ACT T	GTT V		TAT Y	GTG V	AGA R	TAT Y	AAT N	CAA Q	193 46
194	AAG	AAG	ACC	TAC	AAT	TAC	TAT	AGC	ACA	TTG	TCA	ттт	ACA	ACT	GAC	ΑΑΑ	СТА	тат	GCT	GAG	253
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254 67	TTT F				GCT A	TCT S				ACA T		ATG M		CAG Q			GAA E	_	ATG M	GTG V	313 86
314 87		AAT N	GCA A	TTT F	TAT Y	AAA K			TTA L	AGG R	GAA E	GAA: E	TTT F		AAG K	TCT S	CAG Q		ATC	AAG K	373 106
374 107	TTC F	AGT S	CAA Q		AAG K	CAT H	GGA G	GTG V	TTG L		CAT H		CTG L	TTG L	ATT I		AGA R	TTT F	CAC H	TCT S	433 126
434 127	ACT T	GAG E	GAT D	CCT P	GAA E	ACT T	GTA V	GAT D	AAA K	ATT I	GTT V	CAA Q		GTT V	TTA L		GAA E	AAG K	CTG L	CAA	493 146
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794 247	GGA G	GTA V	AC <u>A</u> T	ATA I	<u>AA</u> A K		TCG S	AAA K	ATG M	AAA K	CGG R	GGT G			AGA R				CAT H	GAA E	853 266
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274	ACT T	AGA R	GTT V	ACG T	GCC A	TTG L	CGG R	GAC D	TGG W	ATT I	ACT T	TCA S	AAA K	ACT T	GGT G	ATC	TAA	gaga	gaaa	agcc	1336 423
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Fig. 1B (con't)

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74	GTG V	AGG R	GCT A	AGG R	AAA K	AGA R	GTT V	TGT C	TGG W	GAA E	CCC P		GTT V	ATC I	GGC G	CTC L	GTC V		TTC F	ATA <u>I</u>	133 26
134	TCC S	CTG L	ATT	GTC V	CTG L	GCA A	GTG V	TGC C	ATT I	GGA G	GTC V	АСТ Т	GTT V	CAT H	TAT Y	GTG V	AGA R	TAT Y	AAT N	CAA Q	193 46
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Fig. 2





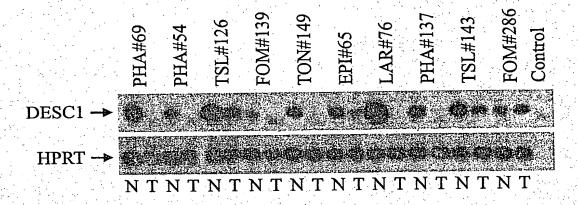
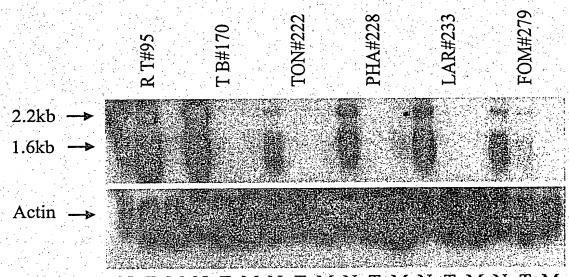


Fig. 3B



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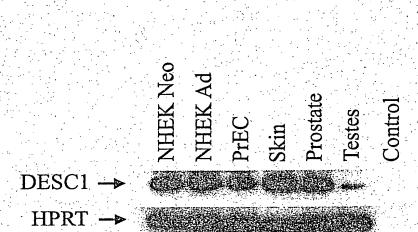


Fig. 4

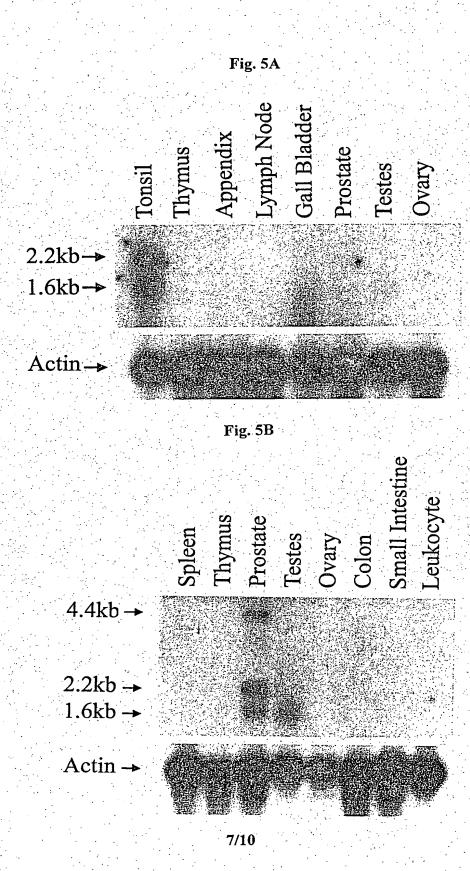
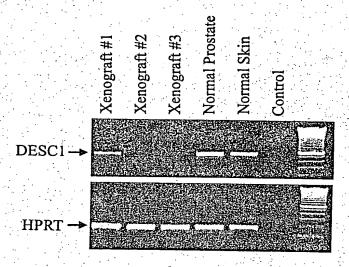
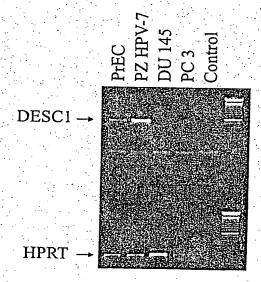


Fig. 6





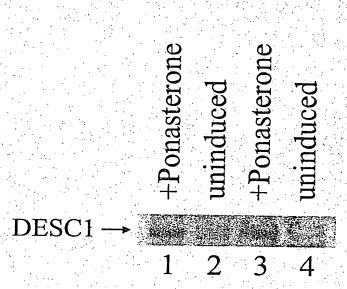


Fig. 7

Alkaline Protease

Alkaline Protease

Elution Buffer Only

9
Cleaved Peptide

Polypeptide

Polypeptide

Elution

Cleaved Peptide

Polypeptide

Fractions

Fig. 8